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COMBINED DECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ANALYSIS OF CHEMICAL DATA FROM IMAGES

the specification of which:

☐ is attached hereto.

☒ was filed on October 8, 1999.

☒ under Application No. 09/415,772.

☐ with Express Mail No. \_\_\_\_\_ (Application Number not yet known).

☐ was described and claimed in PCT International Application No. \_\_\_\_\_.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, code of Federal Regulations, Section 1.56(a).

I hereby claim the benefit under Title 35, United States Code, §§ 119 and 120 of any United States applications listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose all information I know to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

<u>SERIAL NO.</u>	<u>FILING DATE</u>	<u>STATUS</u>
PCT/US99/07358	04/01/99	<input type="checkbox"/> Pending <input type="checkbox"/> Issued <input type="checkbox"/> Abandoned
09/227,558	01/08/99	<input type="checkbox"/> Pending <input type="checkbox"/> Issued <input type="checkbox"/> Abandoned
08/898,715	07/22/97	<input type="checkbox"/> Pending <input type="checkbox"/> Issued <input type="checkbox"/> Abandoned
60/050,949	06/13/97	<input type="checkbox"/> Pending <input type="checkbox"/> Issued <input type="checkbox"/> Abandoned
60/028,106	10/09/96	<input type="checkbox"/> Pending <input type="checkbox"/> Issued <input type="checkbox"/> Abandoned
60/029,255	10/25/96	<input type="checkbox"/> Pending <input type="checkbox"/> Issued <input type="checkbox"/> Abandoned
60/035,366	01/10/97	<input type="checkbox"/> Pending <input type="checkbox"/> Issued <input type="checkbox"/> Abandoned
60/048,987	06/09/97	<input type="checkbox"/> Pending <input type="checkbox"/> Issued <input type="checkbox"/> Abandoned
60/028,105	10/09/96	<input type="checkbox"/> Pending <input type="checkbox"/> Issued <input type="checkbox"/> Abandoned
60/035,202	01/10/97	<input type="checkbox"/> Pending <input type="checkbox"/> Issued <input type="checkbox"/> Abandoned

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Hans R. Troesch, Reg. No. 36,950; Timothy A. Porter, Reg. No. 41,258; Ronald A. Krasnow, Reg. No. 33,321; Paul A. Stone, Reg. No. 38,628

Address all telephone calls to Timothy A. Porter at telephone number (650) 322-5070.

Address all correspondence to Hans R. Troesch, Fish & Richardson P.C., 2200 Sand Hill Road, Suite 100, Menlo Park, CA 94025.

[X] For Assigned Inventions: I understand that the purpose of making this appointment is to permit prosecution of patent applications for the above-identified invention for the benefit of my assignee, and that this appointment does not create an attorney-client relationship between me and these appointees.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of inventor: Thomas Crevier

Inventor's signature

Date: 12.10.99

Residence:

San Jose, California

Citizen of:

United States

Post Office Address:

1717 Cedar Lake Court  
San Jose, California 95131

Full name of inventor:

William B. Archibald

Inventor's signature

Date: 12/13/99

Residence:

Hillsborough, California

Citizen of:

United States

Post Office Address:

2323 Summit Drive  
Hillsborough, California 94010

Full name of inventor:

Marc Hornbostel

Inventor's signature

Date: 12/14/99

Residence:

Palo Alto, California

Citizen of:

United States

Post Office Address:

3929 Nelson Drive  
Palo Alto, California 94306

Full name of inventor:

Dieter Schaefer

Inventor's signature

Date: 12/17/99

Residence:

San Jose, California

Citizen of:

Federal Republic of Germany

Post Office Address:

~~1536 Woodmeadow Court~~ 5829 Encina Rd.  
~~San Jose, California 95131~~ Goleta, CA 93117 DS

Full name of inventor:

Thomas Boussie

Inventor's signature

Date: 12/13/99

Residence:

Menlo Park, California

Citizen of:

United States

Post Office Address:

464 Ravenswood  
Menlo Park, California 94025



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
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\*700057337A\*

DECEMBER 18, 2003

PTAS

FISH & RICHARDSON P.C.  
TIMOTHY A. PROTER  
500 ARGUELLO STREET  
SUITE 500  
REDWOOD CITY, CA 94063

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/17/2003

REEL/FRAME: 014204/0744

NUMBER OF PAGES: 17

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ARCHIBALD, WILLIAM B.

DOC DATE: 10/30/2003

ASSIGNOR:

SCHAEFER, DIETER

DOC DATE: 10/31/2003

ASSIGNOR:

BOUSSIE, THOMAS

DOC DATE: 11/04/2003

ASSIGNOR:

CREVIER, THOMAS

DOC DATE: 11/17/2003

ASSIGNOR:

HOMBOSTEL, MARC

DOC DATE: 11/24/2003

014204/0744 PAGE 2

## ASSIGNEE:


SYMYX TECHNOLOGIES, INC.  
3100 CENTRAL EXPRESSWAY  
SANTA CLARA, CALIFORNIA 95051

SERIAL NUMBER: 09415772  
PATENT NUMBER:

FILING DATE: 10/08/1999  
ISSUE DATE:

SHARON LATIMER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

12/17/2003  
700057337Substitute Form PTO-1595  
Attorney Docket No.: 10555-002001  
Client's Ref. No.: 98-34RECORDATION FORM COVER SHEET  
PATENTS ONLY

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): William B. Archibald, Dieter Schaefer, Thomas Boussie, Thomas Crevier and Marc Hombostel Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Symyx Technologies, Inc. 3100 Central Expressway Santa Clara, CA 85061  Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: 10/30/03; 10/31/03; 11/04/03; 11/17/03; 11/24/03	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): 09/415,772 B. Patent No(s):  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: Timothy A. Porter Fish & Richardson P.C. 500 Arguello Street, Suite 500 Redwood City, California 94063	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>	
Tamara Fraizer Reg. No. 51,699 Name of Person Signing	 Signature  Date Dec. 17, 2003
Total number of pages including coversheet, attachments and document: 17	

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## CERTIFICATE OF TRANSMISSION BY FACSIMILE

I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

December 17, 2003  
Date of Transmission  
SignatureLoni M. Cummins  
Typed Name of Person Signing Certificate

CH \$40.00 06-1050 09415772

\*\*\*\*\*  
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CONNECTION TEL #pp002001#pp17033065995#  
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Attorney's Docket No.: 10555-002001  
Client's Ref. No.: 98-34

**OFFICIAL COMMUNICATION****FACSIMILE****TO THE ATTENTION OF:****MAIL STOP ASSIGNMENT****MAIL STOP ASSIGNMENT FAX NO: 703/306-5995**

Number of pages including this page 18

Applicant : T. Crevier et al.  
Serial No. : 09/415,772  
Filed : October 8, 1999

Art Unit : 2625  
Examiner : Y. Kassa

**FACSIMILE COMMUNICATION**

Title : ANALYSIS OF CHEMICAL DATA FROM IMAGES

**MAIL STOP ASSIGNMENT RECORDATION SERVICES**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached to this facsimile communication cover sheet is a Recordation Form  
Cover Sheet and Assignment, faxed this 17<sup>th</sup> day of December, 2003, to Mail Stop Assignment  
Recordation Services, U.S. Patent and Trademark Office.

Respectfully submitted,

Date: December 17, 2003



**OFFICIAL COMMUNICATION**

**FACSIMILE**

**TO THE ATTENTION OF:**

**MAIL STOP ASSIGNMENT**

**MAIL STOP ASSIGNMENT FAX NO: 703/306-5995**

Number of pages including this page 18

Applicant : T. Crevier et al.  
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Title : ANALYSIS OF CHEMICAL DATA FROM IMAGES

**MAIL STOP ASSIGNMENT RECORDATION SERVICES**

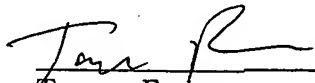
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached to this facsimile communication cover sheet is a Recordation Form Cover Sheet and Assignment, faxed this 17<sup>th</sup> day of December, 2003, to Mail Stop Assignment Recordation Services, U.S. Patent and Trademark Office.

Respectfully submitted,

Date: December 17, 2003

  
Tamara Fraizer  
Reg. No. 51,699


PTO Customer No. 26181  
Fish & Richardson P.C.  
500 Arguello Street, Suite 500  
Redwood City, California 94063  
Telephone: (650) 839-5070  
Fax: (650) 839-5071

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## RECORDATION FORM COVER SHEET PATENTS ONLY

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): William B. Archibald, Dieter Schaefer, Thomas Boussie, Thomas Crevier and Marc Hornbostel Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Symyx Technologies, Inc. 3100 Central Expressway Santa Clara, CA 95051  Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:  Execution Date: 10/30/03; 10/31/03; 11/04/03; 11/17/03; 11/24/03	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s).: 09/415,772 B: Patent No(s).:  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed:  Timothy A. Porter Fish & Richardson P.C. 500 Arguello Street, Suite 500 Redwood City, California 94063	6. Total number of applications/patents involved: 1  7. Total fee (37 CFR §3.41): \$40 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to charge Deposit Account.  8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>	
Tamara Fraizer Reg. No. 51,699 Name of Person Signing	 Signature  Dec. 17, 2003 Date
Total number of pages including coversheet, attachments and document: 17	

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### CERTIFICATE OF TRANSMISSION BY FACSIMILE

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December 17, 2003  
Date of Transmission

  
Signature

Loni M. Cummings  
Typed Name of Person Signing Certificate

ASSIGNMENT OF PATENT APPLICATION

JOINT

TC 10/30/03  
WHEREAS, THOMAS CREVIER of ~~1717 Cedar Lake Court~~ 1104 Spinoso Dr Sunnyvale, CA  
~~San Jose, CA 95131~~, WILLIAM B. ARCHIBALD of 1021 Grebe Street  
Foster City, CA 94404, MARC HORNBOSTEL of 3929 Nelson Drive  
Palo Alto, CA 94306, DIETER SCHAEFER of 5829 Encina Road  
Goleta, CA 93117, of, THOMAS BOUSSIE of ~~464 Ravenswood~~ 985 Cowell Ave. FEB 10/31/03  
Menlo Park, CA 94025, hereinafter referred to as "Assignors," are the inventors of the invention described  
and set forth in the below identified application for United States Letter Patent:

Title of Invention: ANALYSIS OF CHEMICAL DATA FROM IMAGES

Filing Date: October 8, 1999

Application No.: 09/415,772 and


WHEREAS, Symyx Technologies, Inc., a Delaware corporation, located at 3100 Central Expressway, Santa Clara, California 95051, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application, and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

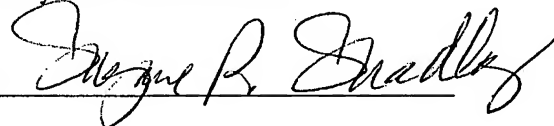
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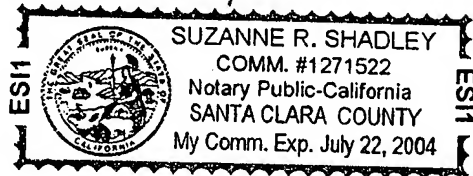
  
THOMAS CREVIER

STATE OF California  
COUNTY OF Santa Clara

On Oct. 30, 2003, before me, Suzanne R. Shadley, Notary Public, personally appeared THOMAS CREVIER personally known to me (or ~~proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature 



(Seal)

Date: \_\_\_\_\_

WILLIAM B. ARCHIBALD

STATE OF California  
COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public, personally appeared WILLIAM B. ARCHIBALD personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature \_\_\_\_\_

(Seal)

Date: \_\_\_\_\_

MARC HORNBOSTEL

STATE OF California

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public, personally appeared MARC HORNBOSTEL personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature \_\_\_\_\_

(Seal)

Date: \_\_\_\_\_

DIETER SCHAEFER

STATE OF California

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public, personally appeared DIETER SCHAEFER personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature \_\_\_\_\_

(Seal)

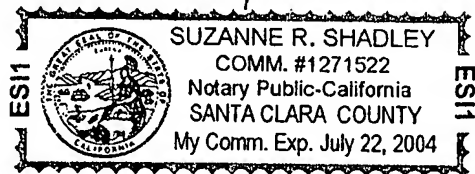
Date: 10/31/03

THOMAS BOUSSIE

STATE OF California  
COUNTY OF Santa Clara

On Oct. 31, 2003, before me, Suzanne R. Shadley, Notary Public, personally appeared THOMAS BOUSSIE personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature 

(Seal)

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, THOMAS CREVIER of 1717 Cedar Lake Court  
San Jose, CA 95131, WILLIAM B. ARCHIBALD of 1021 Grebe Street  
Foster City, CA 94404, MARC HORNBOSTEL of 3929 Nelson Drive  
Palo Alto, CA 94306, DIETER SCHAEFER of 5829 Encina Road  
Goleta, CA 93117, of, THOMAS BOUSSIE of 464 Ravenswood  
Menlo Park, CA 94025, hereinafter referred to as "Assignors," are the inventors of the invention described  
and set forth in the below identified application for United States Letter Patent:

Title of Invention: ANALYSIS OF CHEMICAL DATA FROM IMAGES

Filing Date: October 8, 1999      Application No.: 09/415,772 and

WHEREAS, Symyx Technologies, Inc., a Delaware corporation, located at 3100 Central Expressway,  
Santa Clara, California 95051, hereinafter referred to as "Assignee," is desirous of acquiring an interest in  
the invention and application and in any Letters Patent and Registrations which may be granted on the  
same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors,  
Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to  
the invention and application, and to all foreign counterparts (including patent, utility model and industrial  
designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in  
the United States and all countries throughout the world, and to claim the priority from the application as  
provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and  
Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by  
Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations  
which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution,  
conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a)  
cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the  
invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers,  
including patent applications and instruments of transfer and (c) perform such other acts as Assignee  
lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and  
improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and  
assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Date: \_\_\_\_\_

THOMAS CREVIER

STATE OF California  
COUNTY OF Santa Clara

On \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public, personally appeared THOMAS CREVIER personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature \_\_\_\_\_

(Seal)

Date: November 4, 2003

William B. Archibald

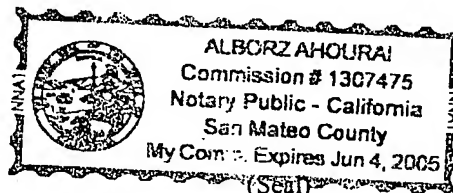
WILLIAM B. ARCHIBALD

STATE OF California  
COUNTY OF San Mateo

On 4<sup>th</sup> day of Nov, 2003, before me, ALBORZ AHOURAI Notary Public, personally appeared WILLIAM B. ARCHIBALD personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature \_\_\_\_\_



(Seal)

Date: \_\_\_\_\_

MARC HORNBOSTEL

STATE OF California

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public, personally appeared MARC HORNBOSTEL personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature \_\_\_\_\_

(Seal)

Date: \_\_\_\_\_

DIETER SCHAEFER

STATE OF California

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public, personally appeared DIETER SCHAEFER personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature \_\_\_\_\_

(Seal)



Date: \_\_\_\_\_

\_\_\_\_\_  
THOMAS BOUSSIE

STATE OF California  
COUNTY OF Santa Clara

On \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public, personally appeared THOMAS BOUSSIE personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature \_\_\_\_\_

(Seal)

**ASSIGNMENT OF PATENT APPLICATION**

**JOINT**

WHEREAS, THOMAS CREVIER of 1717 Cedar Lake Court  
San Jose, CA 95131, WILLIAM B. ARCHIBALD of 1021 Grebe Street  
Foster City, CA 94404, MARC HORNBOSTEL of 3929 Nelson Drive  
Palo Alto, CA 94306, DIETER SCHAEFER of 5829 Encina Road  
Goleta, CA 93117, of, THOMAS BOUSSIE of 464 Ravenswood  
Menlo Park, CA 94025, hereinafter referred to as "Assignors," are the inventors of the invention described  
and set forth in the below identified application for United States Letter Patent:

Title of Invention: **ANALYSIS OF CHEMICAL DATA FROM IMAGES**

Filing Date: October 8, 1999      Application No.: 09/415,772 and

WHEREAS, Symyx Technologies, Inc., a Delaware corporation, located at 3100 Central Expressway,  
Santa Clara, California 95051, hereinafter referred to as "Assignee," is desirous of acquiring an interest in  
the invention and application and in any Letters Patent and Registrations which may be granted on the  
same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors,  
Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to  
the invention and application, and to all foreign counterparts (including patent, utility model and industrial  
designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in  
the United States and all countries throughout the world, and to claim the priority from the application as  
provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and  
Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by  
Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations  
which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution,  
conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a)  
cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the  
invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers,  
including patent applications and instruments of transfer and (c) perform such other acts as Assignee  
lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and  
improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and  
assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Date: \_\_\_\_\_

THOMAS CREVIER

STATE OF California

COUNTY OF Santa Clara

On \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public, personally appeared THOMAS CREVIER personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature \_\_\_\_\_

(Seal)

Date: \_\_\_\_\_

WILLIAM B. ARCHIBALD

STATE OF California

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public, personally appeared WILLIAM B. ARCHIBALD personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature \_\_\_\_\_

(Seal)

Date: November 17, 2003Marc D Hornbostel

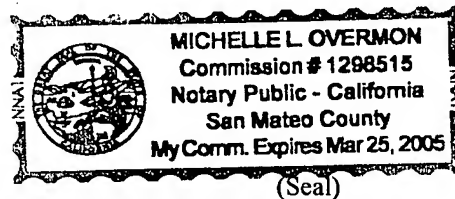
MARC HORNBOSTEL

STATE OF California

COUNTY OF San Mateo

On Nov. 17, 2003, before me, Michelle L. Overmon, Notary Public, personally appeared MARC HORNBOSTEL personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(x) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature Michelle L Overmon

(Seal)

Date: \_\_\_\_\_

DIETER SCHAEFER

STATE OF California

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public, personally appeared DIETER SCHAEFER personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature \_\_\_\_\_

(Seal)

Date: \_\_\_\_\_

\_\_\_\_\_  
THOMAS BOUSSIE

STATE OF California  
COUNTY OF Santa Clara

On \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public, personally appeared THOMAS BOUSSIE personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature \_\_\_\_\_

(Seal)

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, THOMAS CREVIER of 1717 Cedar Lake Court  
San Jose, CA 95131, WILLIAM B. ARCHIBALD of 1021 Grebe Street  
Foster City, CA 94404, MARC HORNBOSTEL of 3929 Nelson Drive

Palo Alto, CA 94306, DIETER SCHAEFER of ~~5829 Encina Road~~ 7197 EMILY LANE  
Goleta, CA 93117, of, THOMAS BOUSSIE of 464 Ravenswood

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For good and valuable consideration, receipt of which is hereby acknowledged by Assignors,  
Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to  
the invention and application, and to all foreign counterparts (including patent, utility model and industrial  
designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in  
the United States and all countries throughout the world, and to claim the priority from the application as  
provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and  
Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by  
Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations  
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Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a)  
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invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers,  
including patent applications and instruments of transfer and (c) perform such other acts as Assignee  
lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and  
improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and  
assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Date: \_\_\_\_\_

\_\_\_\_\_  
THOMAS CREVIER

STATE OF California  
COUNTY OF Santa Clara

On \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public, personally appeared THOMAS CREVIER personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature \_\_\_\_\_

(Seal)

Date: \_\_\_\_\_

\_\_\_\_\_  
WILLIAM B. ARCHIBALD

STATE OF California  
COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public, personally appeared WILLIAM B. ARCHIBALD personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature \_\_\_\_\_

(Seal)

Date: \_\_\_\_\_

MARC HORNBOSTEL

STATE OF California

COUNTY OF \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public, personally appeared MARC HORNBOSTEL personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature \_\_\_\_\_

(Seal)

Date: 11-24-03  
DIETER SCHAEFER

STATE OF California

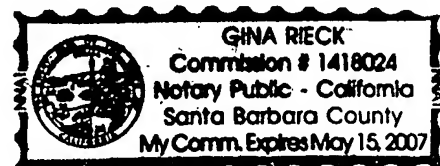
COUNTY OF Santa Barbara

On 11/24/03, before me, Gina Rieck, Notary Public, personally appeared DIETER SCHAEFER personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature  \_\_\_\_\_

(Seal)





Date: \_\_\_\_\_

\_\_\_\_\_  
THOMAS BOUSSIE

STATE OF California  
COUNTY OF Santa Clara

On \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public, personally appeared THOMAS BOUSSIE personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature \_\_\_\_\_

(Seal)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Crevier et al.Application No./Patent No.: Not Yet Assigned Filed/Issue Date: March 16, 2004Entitled: Analysis of Chemical Data from ImagesSymyx Technologies, Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or2. ☐ an assignee of less than the entire right, title and interest.The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:A. [☒] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 014204, Frame 0744, or for which a copy thereof is attached.

OR

B. [ ] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

[ ] Additional documents in the chain of title are listed on a supplemental sheet.

[ ] Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

3-16-04

Date

(408) 773-4027

Telephone number

Ronald A. Krasnow

Typed or printed name



Signature

Vice President, Intellectual Property

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

EMLN: EV186632509

PTO/SB/82 (09-03)

Approved for use through 11/30/2005. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**REVOCATION OF POWER OF  
ATTORNEY WITH  
NEW POWER OF ATTORNEY  
AND  
CHANGE OF CORRESPONDENCE ADDRESS**

Application Number	Not Yet Assigned
Filing Date	3/16/2004
First Named Inventor	Crevier et al.
Art Unit	Not Yet Assigned
Examiner Name	Unknown
Attorney Docket Number	98-34CON1

I hereby revoke all previous powers of attorney given in the above-identified application.

☐ A Power of Attorney is submitted herewith.

**OR**

☒ I hereby appoint the practitioners associated with the Customer Number:

22905

☒ Please change the correspondence address for the above-identified application to:

☒ The address associated with  
Customer Number:

22905

**OR**

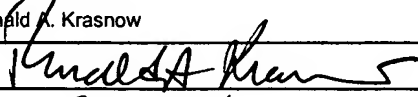
<input type="checkbox"/> Firm or Individual Name				
Address				
Address				
City		State		Zip
Country				
Telephone		Fax		

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

**SIGNATURE of Applicant or Assignee of Record**

Name	Ronald A. Krasnow		
Signature			
Date	3-16-04	Telephone	(408) 773-4024

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.